Department of Ecology Headquarters
Lacey, Washington

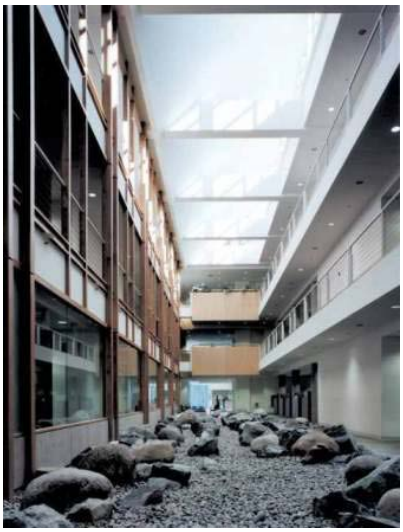
Completed in 1994, Ecology's Headquarters Building pioneered many green building concepts. During construction there were no certification standards to follow; the design team had to figure out what building sustainably meant.

They succeeded. The building's environmental features were highlighted in the October 1994 issue of Architectural Records magazine. In 2006, after two years of performance monitoring and testing, the building was certified as LEED Silver under the *"Existing Buildings 1.0"* pilot program.

The Ecology building is also Energy Star qualified. For more information: *http://www.energystar.gov/index.cfm?fuseaction=labeled_buildings.showProfile&profile_id=1001747*

Sustainable building strategies used:

- ***Energy Efficiency***
  - Designed for maximum daylight inside building.
  - Sensor lights and automatic light switches.
  - Limited use of CFC/HFCF based refrigerants.
  - During the 2003 controls update HVAC system performance was re-evaluated. Of the 187 deficiencies identified, all were subsequently resolved.
- ***Water Use***
  - Native landscape—requires less watering.
  - Number of outdoor sprinkler heads used for irrigation reduced by 70%.
  - Rain gauge technology incorporated into irrigation design to prevent over watering.
- ***Minimizing Site Impact***
  - Storm water runoff treated in sediment ponds with filtration vaults prior to be discharged.
  - Building located on public transit routes; site is bicycle friendly.
  - Native, adapted, and other vegetation occupies about 67% of the 27 acre site.
- ***Materials***
  - Majority of building materials used are recyclable—concrete, steel, and glass.
- ***Indoor Environmental Quality***
  - Low-VOC finishes and furniture.
  - Cubicle design promotes employee interaction and maximum daylight for staff.
  - Indoor air quality modeling and adjustment during design with post occupancy validation.
- ***Waste Management***
  - Construction waste materials were recycled.
  - Specific areas designed and allocated for recycling and waste management throughout the building.
  - On-site food composting.



Please contact Stephen Fry at 360.407.6018 for more information or to schedule a group tour.